

Claims

What is claimed is:

1. A method for secure data transmission using multiple encryption keys comprising:
 - dividing a message object to be encrypted into a plurality of portions, each portion being associated with a shift point;
 - utilizing a first key to encode a first portion of the message object;
 - when a first shift point occurs, generating a second key by executing a function that uses the first key and additional information;
 - utilizing the second key to encode a second portion of the message object;
 - upon completion of encoding of all of the plurality of portions of the message object, transmitting the encrypted message object to a receiver and destroying the keys.
2. The method of claim 1, further comprising:
 - when each subsequent shift point occurs, generating a subsequent key by executing the function using a current key and additional information; and
 - utilizing the subsequent keys to encode subsequent portions of the message object.
3. The method of claim 1, further comprising transmitting at least a portion of the additional information to the receiver for decoding of the encrypted message, wherein the portion of the additional information comprises a password and shift points.

4. The method of claim 1, wherein the additional information comprises a password, an iteration value, and a symbol value, and the function executed is a hash algorithm.
5. The method of claim 1, wherein the first key is a piece of digital media.